DERWENT-ACC-NO: 1983-768302
DERWENT-WEEK: 198338

TITLE: Thermosetting resin compsn. - contg. organic sulphonate(s) has improved stability and curing velocity

PATENT-ASSIGNEE: MITSUI TOATSU CHEM INC[MITK]

PRIORITY-DATA: 1982JP-0018138 (February 9, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 58136648 A	August 13, 1983	N/A	006	N/A

INT-CL_(IPC): C08K005/42; C08L061/00

ABSTRACTED-PUB-NO: JP58136648A
BASIC-ABSTRACT: Thermosetting resin compsn. is claimed contg. (1) thermosetting resins and (2) organic sulphonates in amt. of 0.1-40wt.% of (1).

Component (1) includes pref. phenol-formaldehyde resin, phenol cpd.-aromat ic alkyl ether condensed resin, phenolic polymers. From the viewpoint of the affinity for (1), component (2) includes pref. aromatic ring-contg. organic sulphonates.

Compsn. is stable under the condition of B stage (e.g. at below 130 deg.C) and shows improved curing velocity at above 160 deg.C. Compsn. is used as moulding material, lamination material, paint, adhesive, etc.

In an example, 100 pts.wt. novolak type phenol resin having softening pt. of 92-98 deg.C synthesised by the use of hydrochloric acid catalyst was melted at 160 deg.C and mixed with 1.0 pt.wt. of Na toluene-sulphonate . 100 Pts.wt. of the compsn. was mixed with 15 pts.wt. of hexamethylenetet ramine and crushed. The sample showed gel time of 210 secs. at 130 deg.C and 20 secs. at 165

deg.C.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:
THERMOSETTING RESIN COMPOSITION CONTAIN ORGANIC SULPHONATE
IMPROVE STABILISED
CURE VELOCITY

DERWENT-CLASS: A21 A60 A81 A82 E14 G02 G03

CPI-CODES: A05-C01; A08-D; E10-A09B4; G02-A02B; G02-A02F;
G03-B02C; G03-B02E1;

CHEMICAL-CODES:
Chemical Indexing M3 *01*
Fragmentation Code
G010 G011 G012 G013 G020 G021 G040 G100 K0 K4
K431 M210 M211 M212 M213 M214 M215 M216 M220 M221
M222 M223 M224 M225 M226 M231 M232 M233 M240 M271
M280 M281 M320 M414 M416 M510 M520 M531 M540 M620
M903 Q130 Q132 Q331 Q332 R021 R022 R038 R045

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0760U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0037 0206 0042 0228 0229 1277 1311 1353 1357 1517
1920 2020 2043
2064 2198 2297 2301 2302 2493 2545 2572 2667 2682 2685 2718 2792
Multipunch Codes: 013 03& 03- 06- 075 080 09- 140 15- 153 163 180
213 214 215
225 231 262 273 293 299 341 359 37& 473 476 477 48- 532 536 546
604 608 609 656
681 689 720 721
SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1983-090841

CLIPPEDIMAGE= WO0009915571A1
PUB-NO: WO0009915571A1
DOCUMENT-IDENTIFIER: WO 9915571 A1
TITLE: PROCESS FOR PRODUCTION OF A SULPHONATED PHENOLIC RESIN

PUBN-DATE: April 1, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
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ASSIGNEE-INFORMATION:

NAME	COUNTRY
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SVENSSON ANNIKA	SE

APPL-NO: SE09801613
APPL-DATE: September 11, 1998

PRIORITY-DATA: SE09703400A (September 22, 1997)
INT-CL_(IPC): C08G008/28

ABSTRACT:
A process for production of a substantially water soluble or water dilutable sulphonated resole type phenolic resin is provided. The process comprises subjecting at least one phenolic compound and formaldehyde, at a molar ratio phenolic compound to formaldehyde of 1:1.5 to 1:5, to a condensation reaction in the presence of an effective amount of at least one basic catalyst. The condensation reaction is terminated when a free formaldehyde content of 1-10 % by weight is obtained and yielded condensation product is subsequently subjected yielded to a sulphonation, which sulphonation comprises adding 1-10 % by weight of pyrosulphite. The sulphonation is performed at a temperature of 30-60 DEG C and maintained for a time period of at least 15 minutes.